Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/21/2018 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125443	0	1.49	125313	1.46
Blue	F	SSC	125000	123846	-1	3.57	124155	3.39
Blue	E	FITC	23615	22935	-3	2.58	1026	10.33
Blue	D	PE	26739	26253	-2	2.16	945	10.15
Blue	B	PerCP-Cy5-5	48339	47553	-2	3.68	1375	17.38
Blue	A	PE-Cy7	45021	45402	0	5.46	713	35.87
Red	C	APC	53064	52254	-2	2.73	2991	9.48
Red	A	APC-Cy7	57175	56794	-1	2.76	1207	11.09
Violet	B	V450	14728	14160	-4	4.82	670	9.63
Violet	A	V500	58621	57743	-2	4.65	2549	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19133	2.40	611	-3	N/A	N/A	Pass
Blue	F	SSC	61266	1.49	555	9	N/A	N/A	Pass
Blue	E	FITC	111	39.30	546	-2	0.0204	123	Pass
Blue	D	PE	206	30.04	538	2	0.1492	240	Pass
Blue	B	PerCP-Cy5-5	214	45.69	637	2	0.0095	74	Pass
Blue	A	PE-Cy7	74	124.00	696	3	0.0115	16	Pass
Red	C	APC	344	27.74	596	-1	0.0203	51	Pass
Red	A	APC-Cy7	131	41.04	579	-1	0.0056	1937	Pass
Violet	B	V450	82	43.61	462	-8	0.0441	1965	Pass
Violet	A	V500	184	22.51	490	-7	0.0130	91	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.69	-31.08	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	18.53	14.40 - 21.60	N/A	N/A	30.75	31.23	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10753

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments